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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 6

Complete if Known

Application Number	To be assigned
Filing Date	March 25, 2004
First Named Inventor	Figdor et al.
Group Art Unit	S. Rawlings, Ph.D. (presumed)
Examiner Name	1642 (presumed)
Attorney Docket Number	2578-4230.1US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
sn		#US- 2002/0076392 A1	06-20-2002	Hoo	
		#US- 4,485,086	11/27/1984	Wong	
		#US- 5,376,531	12/27/1994	Anderson et al.	
		#US- 5,783,567	07-21-1998	Hedley et al.	
		#US- 5,844,075	12-01-1998	Kawakami et al.	
		#US- 5,874,560	02-23-1999	Kawakami et al.	
		#US- 5,891,432	04-06-1999	Hoo	
		#US- 5,965,381	10-12-1999	van der Bruggen et al.	
		#US- 5,965,535	10-12-1999	Chaux et al.	
		#US- 5,994,523	11-30-1999	Kawakami et al.	
		#US- 6,245,525 B1	06-12-2001	Martelange et al.	
		#US- 6,270,778 B1	08-07-2001	Kawakami et al.	
		#US- 6,291,430 B1	09-18-2001	Chaux et al.	
		#US- 6,303,756 B1	10-16-2001	Martelange et al.	
		#US- 6,369,211 B1	04-09-2002	Chaux et al.	
		#US- 6,407,063 B1	06-18-2002	Luiten et al.	
		#US- 6,426,217 B1	07-30-2002	Chaux et al.	
		#US- 6,500,919 B1	12/31/2002	Adema et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
sn		#WO 00/20445	04-13-2000	Chaux		
		#WO 00/20581	04-13-2000	Ludwig Institute		
		#WO 95/29193	11-02-1995	The Government of the United States		
		#WO 98/31398	07-23-1998	Pangaea Pharmaceuticals, Inc.		
		#WO 99/06544	02-11-1999	The Immune Response Corp.		
		#WO 99/14326	03-25-1999	Ludwig Institute		
		#WO 99/45098	09-10-1999	van der Bruggen		
		#WO 99/53061	10-21-1999	Ludwig Institute		
		#EP 0 668 350 A	08-23-1995	Akzo Nobel N.V.		

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Group Art Unit	S. Rawlings, Ph.D. (presumed)
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52		#US-4,405,712	09-20-1983	Vande Woude et al.	
		#US-4,497,796	02-05-1985	Salser et al.	
		#US-4,727,028	02-23-1988	Santerre et al.	
		#US-4,740,463	04-26-1988	Weinberg et al.	
		#US-5,190,931	03-02-1993	Inouye	
		#US-5,208,149	05-04-1993	Inouye	
		#US-5,262,177	11-16-1993	Brown et al.	
		#US-5,342,774	08-30-1994	Boon et al.	
		#US-5,518,913	05-21-1996	Massie et al.	
		#US-5,837,511	11-17-1998	Falck-Pedersen et al.	
		#US-5,994,106	11-30-1999	Kovesdi et al.	
		#US-5,994,128	11-30-1999	Fallaux et al.	
		#US-6,033,908	03-07-2000	Bout et al.	
		#US-6,040,174	03-21-2000	Imler et al.	
		#US-6,537,560	03-25-2003	Kawakami et al.	
		#US-2003/0144482 A1	07-31-2003	Kawakami et al.	

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52		#EP-0174608	03-19-1986	Leavitt		
		#WO 92/21767	12-10-1992	Bristol-Myers		
		#WO 93/14189	04-22-1993	Ludwig Institute		
		#WO 94/23067	10-13-1994	Abbott Labs		
		#WO 94/28152	12-08-1994	Transgene S.A.		
		#WO 95/02697	01-26-1995	Rhonepoulenc Rorer S.A.		
		#WO 95/22561	08-24-1995	Univ. of Virginia		
		#JP9027482A2	01-28-1997	Speedfam Co.		

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Figdor et al.

Group Art Unit

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Examiner Name

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Attorney Docket Number

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SR		#ADEMA et al., Melanocyte lineage-specific antigens recognized by monoclonal antibodies NKI-beteb, HMB-50, and HMB-45 are encoded by a single cDNA, The American Journal of Pathology, 1993, Vol. 143, No. 6, pp. 1579-1585.	
		#ADEMA, et al., Molecular Characterization of the Melanocyte Lineage-specific Antigen gp100, J. Biol. Chem., 1994, Vol. 269, No. 31, pp. 20126-20133	
		#ARCECI, RJ., The potential for antitumor vaccination in acute myelogenous leukemia, Journal of Molecular Medicine, 1998, pp. 80-93, Vol. 76.	
		#BAKKER et al., Int J. Cancer, 1997 Jan 27, pp. 302-9, Vol. 70 (3).	
		#BODEY et al., Failure of cancer vaccines: the significant limitations of this approach to immunotherapy, Anticancer Research, 2000, pp. 2665-76, Vol. 20.	
		#BOON, T., Toward a genetic analysis of tumor rejection antigens, Advances in Cancer Research, 1992, pp. 177-210, Vol. 58.	
		#BURGESS et al., Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from Its Receptor-binding Activities by Site-directed Mutagenesis of a Single Lysine Residue, J. Cell Biol., 1990, 11:2129-2138.	
		#COX et al., Identification of a peptide recognized by five melanoma-specific human cytotoxic T cell lines, Science, 1994, pp. 716-19, Vol. 264.	
		#CURTI, Crit. Rev. Oncol/Hematol. 14:29-39, 1993.	
		#DE VRIES et al., Heterogeneous expression of immunotherapy candidate proteins gp100, MART-1, and tyrosinase in human melanoma cell lines and inhuman melanocytic lesions, Cancer Research, 1997, pp. 3223-3229, Vol. 57, No. 15.	
Y		#European Search Report, EP 94 20 0337, dated 27 July 1994.	

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Application Number	To be assigned
Filing Date	March 25, 2004
First Named Inventor	Figdor et al.
Group Art Unit	S. Rawlings, Ph.D. (presumed)
Examiner Name	1642 (presumed)
Attorney Docket Number	2578-4230.1US

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SR		#EZZELL, C., Cancer "vaccines": an idea whose time has come?, Journal of NIH Research, pp. 46-49, Vol. 7.	
		#GAO et al., Tumor vaccination that enhances antitumor T-cell responses does not inhibit th growth of established tumor, Journal of Immunotherapy, 2000, pp. 643-53, Vol. 23, No. 6.	
		#GURA, T., Systems for identifying drugs are often faulty, Science, 1997, pp. 1041-42, Vol. 278.	
		#HU et al., Enhancement of cytolytic T lymphocyte precursor frequency in melanoma patients following immunization with MAGE-1 peptide, Cancer Research, 1996, pp. 2479-83, Vol. 56.	
		#JAEGER et al., Generation of cytotoxic T-cell responses with synthetic melanoma-associated peptides in vivo, International Journal of Cancer, 1996, pp. 162-69, Vol. 66, No. 2.	
		#KRISTENSEN et al., Evidence that the newly cloned low-density-lipoprotein receptor related protein (LRP) is the alpha 2-macroglobulin receptor, Febs Letters, Dec. 1990, pp. 151-55, Vol. 256, No. 1,2.	
		#LEE et al., Increased vaccine-specific T cell frequency after peptide-based vaccination correlates with increased susceptibility to in vitro stimulation but does not lead to tumor regression, Journal of Immunology, 1999, pp. 6292-6300, Vol. 163.	
		#MUKHERJI et al., Induction of antigen-specific cytolytic T cells in situ in human melanoma by immunization, proceedings of the National Academy of Science, 1995, pp. 8078-82, Vol. 92.	
		#GILLIES et al., Antigen binding and biological activities of engineered mutant chimeric antibodies with human tumor specificities, Human Antibody. Hybridomas, 1990, vol. 1, no. 1, pp. 47-54.	
		#JAIN, Sci. Am. 271:58-65, 1994.	
		#KAWAKAMI, et al., Identification of a human melanoma antigen recognized by tumor-infiltrating lymphocytes associated with in vivo tumor rejection, Proc. Natl. Acad. Sci., 1994, Vol. 91, pp. 6458-6462.	
		#KWON et al., A melanocyte-specific gene, Pmel 17, maps near the silver coat color locus on mouse chromosome 10 and is in a cyntenic region on human chromosome 12, Proceedings of the National Academy of Sciences of USA, 88:20:9228-9232, October 15, 1991, Washington D.C., USA.	
		#LAZAR et al., Transforming Growth Factor a: Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities, Mol. Cell Biol., 1988, Vol. 8, pp. 1247-1252.	

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**INFORMATION DISCLOSURE
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Sheet 5 of 6

Complete if Known

Application Number	To be assigned
Filing Date	March 25, 2004
First Named Inventor	Figdor et al.
Group Art Unit	S. Rawlings, Ph.D. (presumed)
Examiner Name	1642 (presumed)
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SR		#MPSRCH Search Report Seg ID No. 22, p. 1-3 (2001).	
		#MPSRCH Search Report, for Seg ID No. 21, p. 1-2 (2001).	
		#OSBAND et al., Problems in the investigational study and clinical use of cancer immunotherapy, Immunology Today, 1990, 11(6):193-195.	
		#RIVOLTINI et al., Binding and Presentation of Peptides Derived from Melanoma Antigens MART-1 and Glycoprotein-100 by HLA-A2 Subtypes, Journal of Immunology, May 1996, pp. 3882-91.	
		#MARCHAND et al., Tumor regression responses in melanoma patients treated with a peptide encoded by gene MAGE-3, Int. J. Cancer, 1995 63, 883-885, Wiley-Liss, Inc.	
		#ROSENBERG et al., Immunologic and therapeutic evaluation of a synthetic peptide vaccine for the treatment of patients with metastatic melanoma, Nature Medicine, March 1998, Vol 4, No. 3, pp. 321-327	
		#ROSENBERG, Cancer vaccines based on the identification of genes encoding cancer regression antigens, Immunology Today, Vol. 18, No. 4, April 1997, pp. 175-182.	
		#SALGALLER et al., Immunization against Epitopes in the Human Melanoma Antigen gp100 following Patient Immunization with Synthetic Peptides, Cancer Research, October 1996, pp. 4749-57, Vol. 56.	
		#SINKOVICS et al., Vaccination against human cancers (review), International Journal of Cancer, 2000, pp. 81-96, Vol. 16.	
		#SLINGLUFF et al., Melanomas with concordant loss of multiple differentiation proteins: immune escape that may be overcome by targeting unique or undefined antigens, Cancer Immunology & Immunotherapy, 2000, pp. 661-72, Vol. 48, No. 12.	
		#SLINGLUFF et al., Recognition of Human Melanoma Cells by HLA-A2.1-Restricted Cytotoxic T Lymphocytes Is Mediated by at Least Six Shared Peptide Epitopes, The Journal of Immunology, April 1, 1993, pp. 2955-2963, vol. 150, No. 7, The American Association of Immunologists, USA.	

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Application Number	To be assigned
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SR		#SPLITLER, LE, Cancer vaccines: the interferon analogy, Cancer Biotherapy, 1995, pp. 1-3, Vol. 10, No. 1.	
		#TAO et al., Studies of Aglycosylated Chimeric Mouse-Human IgG, J. Immunol., 1989, Vol. 143, No. 8, pp. 2595-2601.	
		#TIMMERMAN et al., Dendritic cell vaccines for cancer immunotherapy, Annual Review of Medicine, 1999, pp. 407-29, Vol. 50.	
		#VOGEL et al., Human 95kD melanocyte-specific secreted glycoprotein mRNA, 3' end EMBL Database, Accession No. M32295, November 26, 1990.	
		#YAMSHCHIKOV et al., Analysis of a natural immune response against tumor antigens in a melanoma survivor: Lessons applicable to clinical trial evaluations, Clinical Cancer Research, pp 909s-916s, Vol. 7, No. 3 supplement.	
		#ZAKS et al., Immunization with a peptide epitope (p369-377) from HER-2/neu leads to peptide-specific cytotoxic T lymphocytes that fail to recognize HER-2/neu+ tumors, Cancer Research, pp. 4902-08, Vol. 58.	

Examiner Signature		Date Considered	6/6/07
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#Pursuant to 37 C.F.R. § 1.98(d), copies of the previously identified patents are not being provided since they were previously cited by or submitted to the Office in the following prior application:

Serial No.: 09/214,836

Filed: October 4, 1999

For: MELANOMA ASSOCIATED PEPTIDE ANALOGUES AND VACCINES AGAINST MELANOMA, which application is being relied upon for an earlier filing date under 35 U.S.C. § 120.

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Application Number	10/808,681
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Filing Date	March 25, 2004
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First Named Inventor	Figdor et al.
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Group Art Unit	To be assigned
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Examiner Name	To be assigned
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SN		#BOCCIA et al., Abstract, Specific binding of leukemia oncogene fusion protein peptides to H class I molecules, Blood, May 15, 1995, pp. 2680-84, Vol. 85, No. 10.	
		#BRISTOW et al., Abstract, Solid-phase antigen binding by purified immunoproteins from antigen-specific monoclonal T cell hybridomas, Mol. Immunol. July 1989, pp. 611-24, Vol. 26, No. 7.	
		#GETHER et al., Abstract, Stable expression of high affinity NK1 (substance P) and NK2 (neurokinin A) receptors but low affinity NK3 (neurokinin B) receptors in transfected CHO cells, FEBS Letters, January 27, 1992, pp. 241-44, Vol. 296, No. 3.	
		#HARTWELL et al., Integrating Genetic Approaches into the Discovery of Anticancer Drugs, Science, November 7, 1997, pp. 1064-68, Vol. 278.	
		#LILLY et al., Abstract, Effects of chronic airway inflammation on the activity and enzyme inactivation of neuropeptides in guinea pig lungs, J. Clin. Invest, June 1994, pp. 2667-74, Vol. 93, No. 6.	
		#PHAN et al., Cancer regression and autoimmunity induced by cytotoxic T lymphocyte-associated antigen 4 blockade in patients with metastatic melanoma, PNAS, July 8, 2003, pp. 8372-77, Vol. 100, No. 14.	
		#ROSENBERG et al., Impact of Cytokine Administration on the Generation of Antitumor Reactivity in Patients with Metastatic Melanoma Receiving a Peptide Vaccine, 1999, The Journal of Immunology, pp. 1690-95.	
Y		#ROSENBERG, Steven A., Progress in human tumour immunology and immunotherapy, Nature, May 17, 2001, pp. 380-84, Vol. 411.	

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Filed: 10/4/1999

For: MELANOMA ASSOCIATED PEPTIDE ANALOGUES AND VACCINES AGAINST MELANOMA, which application is being relied upon for an earlier filing date under 35 U.S.C. § 120.

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¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B(10-01)

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Sheet 1 of 2

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Application Number	10/808,681
Filing Date	March 25, 2004
First Named Inventor	Figdor et al.
Group Art Unit	1642
Examiner Name	To be assigned
Attorney Docket Number	2578-4230.1US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SR		Notice of Opposition to a European Patent for Patent No. EP0668350, date of mention of the grant in the European Patent Bulletin July 28, 2004.	
		Opposition of EP0668350 in the name of Crucell Holland B.V. for Opponent Oxon Therapeutics Limited.	
		ADEMA et al., Melanocyte Lineage-Specific Antigens Recognized by Monoclonal Antibodies NK1-beteb, HMB-50, and HMB-45 are Encoded by a Single cDNA, American Journal of Pathology, December 1993, pp. 1579-85, Vol. 143, No. 6.	
		VOGEL, EMBL Accession No. M32295	
		KWON et al., a melanocyte-specific gene, Pmel 17, maps near the silver coat color locus on mouse chromosome 10 and is in a syntenic region on human chromosome 12, Proc. Natl. Acad. Sci, October 1991, pp. 9228-32; Vol. 88, USA.	
		ADEMA et al., T-Cell Stimulatory Tumor Antigens, Keystone Symposium, 1993, J. Cell Biochem, supplement 17, part D, p. 107.	
		SHILYANSKY et al., T-cell receptor usage by melanoma-specific clonal and highly oligoclonal tumor-infiltrating lymphocyte lines, Proc. Natl. Acad. Sci., March 1994, pp. 2829-33, Vol. 91.	
		STORKUS et al., Identification of Human Melanoma Peptides Recognized by Class I Restricted Tumor Infiltrating T Lymphocytes, The Journal of Immunology, October 1, 1993, pp. 3719-27, Vol. 151, No. 7, USA.	
		ONEIL et al., Detection of Shared MHC-Restricted Human Melanoma Antigens after Vaccinia Virus-Mediated Transduction of Genes Coding for HLA, August 1, 1993, pp. 1410-18, Vol. 151, USA.	
		KAWAKAMI et al., T-Cell Recognition of Human Melanoma Antigens, Journal of Immunotherapy, 1993, pp. 88-93, Vol. 14, Raven Press, Ltd., New York.	
		MILES et al., HiTech... Multiple Peptide Synthesis (Pepscan Method) for the Systematic Analysis of B- and T-cell Epitopes: Application to Parasite Proteins, Parasitology Today, 1989, Vol. 5, No. 12.	

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S ¹²		ARNHOLDT et al., Analysis and Partial Epitope Mapping of Human T Cell Responses to Trypanosoma cruzi Cysteine Protease, The Journal of Immunology, September 15, 1993, pp. 3171-79, Vol. 151, No. 6, USA.	
		REYNOLDS et al., T and B Cell Epitope Mapping of SM23, an Integral Membrane Protein of Schistosoma mansoni, The Journal of Immunology, December 15, 1992, pp. 3995-4001, Vol. 149, No. 12, USA.	
		KAWAKAMI et al., Identification of a human melanoma antigen recognized by tumor-infiltrating lymphocytes associated with in vivo tumor rejection, Proc. Natl. Acad. Sci., July 1994, pp. 6458-6462, Vol. 91, USA.	
		BAKKER et al., Melanocyte Lineage-specific Antigen gp100 Is Recognized by Melanoma-derived Tumor-infiltrating Lymphocytes, The Journal of Experimental Medicine, March 1994, pp. 1005-09, Vol. 179.	
		NCBI. Gen Bank. Accession No. M77348.	
		HUNT et al., Characterization of Peptides Bound to the Class I MHC Molecule HLA-A2.1 by Mass Spectrometry, Science, pp. 1261-63, Vol. 255.	
		SLINGLUFF et al., Recognition of Human Melanoma Cells by HLA-A2.1-Restricted Cytotoxic T Lymphocytes Is Mediated by at Least Six Shared Peptide Epitopes, The Journal of Immunology, April 1993, pp. 2955-63, Vol. 150, No. 7, USA.	
		ADEMA et al., Molecular Characterization of the Melanocyte Lineage-specific Antigen gp100, August 5, 1994, pp. 20126-33, Vol. 269, No. 31, USA.	
		KAWAKAMI et al., Immunobiology of Human Melanoma Antigens MART-1 and gp100 and their Use of Immuno-Gene Therapy, Intern. Rev. Immunol., pp. 173-92, Vol. 14, Overseas Publishers Association, Amsterdam, The Netherlands.	
		KAWAKAMI et al., Recognition of Multiple Epitopes in the Human Melanoma Antigen gp100 by Tumor-Infiltrating T Lymphocytes Associated with In Vivo Tumor Regression, The Journal of Immunology, 1995, pp. 3961-68, Vol. 154.	

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